

## CLAIMS

1. An electronic device (10) comprising:
  - a substrate (100) carrying a single electrode structure (120); and
  - 5 a plurality of electro-optical elements (140; 160, 180) at least including:
    - a first electro-optical element (140) covering a first part of the electrode structure (120), the first electro-optical element (140) comprising a first electro-optical material (144) with a first transmission/voltage response characteristic; and
    - 10 a second electro-optical element (160) covering a second part of the electrode structure (120), the second electro-optical element (160) comprising a second electro-optical material (164) with a second transmission/voltage response characteristic.
- 15 2. An electronic device (10) as claimed in claim 1, wherein:
  - the first electro-optical element (140) further comprises a first polymer topcoat (142), the first electro-optical material (144) being sandwiched between the first polymer topcoat (142) and the substrate (100); and
  - 20 the second electro-optical element (160) further comprises a second polymer topcoat (162), the second electro-optical material (164) being sandwiched between the second polymer topcoat (162) and the substrate (100).
- 25 3. An electronic device (10) as claimed in claim 1 or 2, wherein the first electro-optical material (144) comprises a first liquid crystal material and the second electro-optical material (164) comprises a second liquid crystal material.
- 30 4. An electronic device (10) as claimed in claim 3, the electronic device (10) further comprising a first light-polarizing layer (190) and a second light-polarizing layer (192); the electro-optical elements (140; 160, 180) being

sandwiched between the first light-polarizing layer (190) and the second light-polarizing layer (192).

5. An electronic device as claimed in any of the claims 1-4, wherein  
5 the first electro-optical element (140) is covered by a first colour filter and the  
second electro-optical element (160) is covered by a second colour filter.